

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE  <b>LIST OF PRIOR ART CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>		Atty. Docket No. (Optional)  15634 (PC25246A)		Application Number  10/647,919		
<div style="display: inline-block; border: 1px solid black; border-radius: 50%; padding: 10px; transform: rotate(-15deg);">             TYPE JC154              DEC 30 2004              PATENT &amp; TRADEMARK OFFICE           </div>						
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
SH	AA	3,634,587	1/11/72	Ament et al.		
SH	AB	5,733,555	3/31/98	Chu		
SH	AC	6,291,228 B1	9/18/01	Howard et al.		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>						
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA					
	AB					
	AC					
<b>FOREIGN PATENT DOCUMENTS</b>						
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	0 661 059 B1	7/5/95	Europe			✓
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>						
SH	Coggins L. et al., "Attenuation of Virus Diarrhea Virus (Strain Oregon C24V) for Vaccine Purposes", <i>Veterinary Virus Research Institute</i> 539-545 (1961)					
SH	Kolar J.R. et al., "Use in Cattle of Formalin-Killed Polyvalent Vaccine with Adjuvant Against Infectious Bovine Rhinotracheitis, Bovine Viral Diarrhea, and Parainfluenza-3 Viruses", <i>Am. J. Vet. Res.</i> 33(7):1415-1420 (1972)					
EXAMINER	<i>Sharon Hurt</i>			DATE CONSIDERED <i>April 20, 2006</i>		
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<b>LIST OF PRIOR ART CITED BY APPLICANT</b>  (Use several sheets if necessary)		Applicant(s) Paul J. Dominowski, et al.	
		Filing Date August 26, 2003	Group Art Unit 1614
		<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)	
SN		Fernelius A.L. et al., "Evaluation of $\beta$ -Propiolactone-Inactivated-and Chloroform-Treated-Virus Vaccines Against Bovine Viral Diarrhea-Mucosal Disease", <i>Am. J. Vet. Res.</i> 33(7):1421-1431 (1972)	
SN		Phillips R.M. et al., "Evaluation of a Bovine Viral Diarrhea Vaccine Produced in a Porcine Kidney Cell Line", <i>Am. J. Vet. Res.</i> 36(2):135-140 (1975)	
SN		McClurkin A.W. et al., "Selected Isolates of Bovine Viral Diarrhea (BVD) Virus Propagated on Bovine Turbinate Cells: Virus Titer and Soluble Antigen Production as Factors in Immunogenicity of Killed BVD Virus", <i>Archives of Virology</i> 58:119-125 (1978)	
SN		Lobmann M. et al., "Clinical Evaluation of a Temperature-Sensitive Bovine Viral Diarrhea Vaccine Strain", <i>Am. J. Vet. Res.</i> 45(12):2498-2503 (1984)	
SN		Lobmann M. et al., "Safety of a Temperature-Sensitive Vaccine Strain of Bovine Viral Diarrhea Virus in Pregnant Cows", <i>Am J. Vet Res</i> 47(3):557-560 (1986)	
SN		Donis R.O. et al., "Differences in Virus-Induced Polypeptides in Cells Infected by Cytopathic and Noncytopathic Biotypes of Bovine Virus Diarrhea-Mucosal Disease Virus", <i>Virology</i> 158:168-173 (1987)	
SN		Talens L.T. et al, "Efficacy of Viral Components of a Nonabortigenic Combination Vaccine for Prevention of Respiratory and Reproductive System Diseases in Cattle", <i>JAVMA</i> 194(9):1273-1280 (1989)	
SN		Corapi W.V. et al., "Characterization of a Panel of Monoclonal Antibodies and Their Use in the Study of the Antigenic Diversity of Bovine Viral Diarrhea Virus", <i>Am. J. Vet. Res.</i> 51(9):1388-1394 (1990)	
EXAMINER <i>Sharon Hunt</i>		DATE CONSIDERED <i>4-20-06</i>	
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SH		Howard C.J. et al., "Immunity of Bovine Virus Diarrhoea Virus in Calves: The Role of Different T-Cell Subpopulations Analysed by Specific Depletion In Vivo with Monoclonal Antibodies", <i>Veterinary Immunology and Immunopathology</i> 32:303-314 (1992)	
SH		Larsson B. et al., "Bovine Virus Diarrhoea Virus Induces In Vitro a Proliferative Response of Peripheral Blood Mononuclear Cells from Cattle Immunized by Infection", <i>Veterinary Microbiology</i> 31:317-325 (1992)	
SH		Baker J.C. et al., "Bovine Viral Diarrhea Virus", <i>The Veterinary Clinics of North America-Food Animal Practice</i> 11(3):615-625 (1995)	
SH		Fulton R.W. et al., "Antibody Responses by Cattle after Vaccination with Commercial Viral Vaccines Containing Bovine Herpesvirus-1, Bovine Viral Diarrhea Virus, Parainfluenza-3 Virus, and Bovine Respiratory Syncytial Virus Immunogens and Subsequent Revaccination at Day 140", <i>Vaccine</i> 13(8):725-733 (1995)	
SH		Cortese V.S. et al., "BVD Virus Transmission Following Attenuated Vaccines to BVDV Seronegative Cattle", <i>Large Animal Practice</i> 18(5):18-24 (1997)	
SH		Lambot M. et al., "Characterization of the Immune Response of Cattle Against Non-Cytopathic and Cytopathic Biotypes of Bovine Viral Diarrhoea Virus", <i>Journal of General Virology</i> 78:1041-1047 (1997)	
SH		Beer M. et al., "Cytotoxic T-Lymphocyte Responses in Cattle Infected with Bovine Viral Diarrhea Virus", <i>Veterinary Microbiology</i> 58:9-22 (1997)	
SH		Flores E.F. et al., "Clinical, Pathological and Antigenic Aspects of Bovine Viral Diarrhea Virus (BVDV) Type 2 Isolates Identified in Brazil", <i>Veterinary Microbiology</i> 77:175-183 (2000)	
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SH		Beer M. et al., "A New Inactivated BVDV Genotype I and II Vaccine an Immunisation and Challenge Study with BVDV Genotype I", <i>Veterinary Microbiology</i> 77:195-208 (2000)	
SA		Fulton R.W. et al., "Bovine Viral Diarrhea Virus Types 1 and 2 Antibody Response in Calves Receiving Modified Live Virus or Inactivated Vaccines", <i>Vaccine</i> 19(2-3):264-274 (2001)	
SH		"Invest Early in CattleMaster® 4 Vaccine to Get the Highest Rate of Return", <i>Internet Article</i> 1-2 (2002)	
EXAMINER Sharon Heert		DATE CONSIDERED 4-20-06	
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